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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Michael Josenhans

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EXAMINER

DAO, MINH D

ART UNIT

PAPER NUMBER

2618

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/560,570	Applicant(s) JOSENHANS ET AL.	
	Examiner MINH D. DAO	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 April 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-6,8-14 and 16-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3-6,8-14 and 16-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments 04/07/08 have been considered but are moot in view of the new ground(s) of rejection.
2. Examiner respectfully disagrees with Applicant's remarks , pages 8-9, regarding the controller 515 of Mager. All claims fail to define a function of the "controller" as stated in claim 3, therefore the controller 515 or the electronic device 420 of Engstrom once combined with Mager reads on the "controller" of the present invention.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1,3-6,8-14,16-21 rejected under 35 U.S.C. 103(a) as being unpatentable over Mager (U.S. Pub. No. 200310017839 A1) in view of Engstrom et al. (US 6,999,804).

Re claim 1, Mager discloses a mobile communication device with cover (see fig. 1) comprising:

a keypad (142 of fig. 1);

a display (144 of fig. 1);

a cover controller (515 of fig. 5) connected to keypad via bus interface (521) (see fig.3,5); a common Bus interface (521), for removably connection of cover processor 515) to a mobile communication module (138 of fig.3) and said bus interface is adapted to operate with a plurality of mobile communication modules (138) (see figs.1- 11, para[0010],[0020],[0022],[0046]); and wherein said cover controller (515 of fig.5) (i.e. processor) configured for processing signals between display (330) and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) and cover (100) can be removably (detached) connected via bus interface (521 of ifg.3,5), as well as signals between said keypad (333) and the processor (335) of any one of said plurality of mobile communication module (138) upon attaching/interchanging cover (100) with a mobile electronic communication device (138 of fig.3) (see fig.1,3,5,7 and para[0029], [0045], [0046], [0054]).

However, Mager does not disclose that the removable cover includes a display and a keyboard. Engstron, in an analogous art, teaches interchangeable covering of a mobile device including a display and a keypad (see abstract; figs. 2-5; col. 4, lines 27-53 and entire document for clarification.) Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the cover of Mager with the interchangeable of Engstron in order for the modified system to easily redefine the functions of the input keys of the keypad as taught by Engstron.

Re claim 3,4, as discussed above with respect to claim 1, the combination of Mager and Engstron further discloses cover further comprises a controller (see Mager ,515 of fig.5); and mobile communication device comprising power source (322 of fig.3). Also see Engstron for clarification.

Re claim 5, as discussed above with respect to claim 1, the combination of Mager and Engstron further discloses exchangeable mobile communication device cover (100) further comprising universal asynchronous receiver/transmitter (URAT) device for receiving a communication module (see Mager, fig.5 and para[0030],[0046]).

Re claim 6, the combination of Mager and Engstron discloses a mobile communication module having a communication network radio interface (324 o fig.3) coupled with transmitter/receiver (URAT, 520 of fig.5) for connecting a mobile communication network, and standardized interface (521) to connect said communication module to said cover (100) and having a keypad and a display and cover controller (515) (see fig. 1,2,3,5,7 and para[0023],[0025],[0045]);

and communication manager module (314) does not have display (see fig.5); wherein said cover controller (515 of fig.5) (i.e. processor) configured for processing signals between display (330) and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) and cover (100) can be removably (detached) connected via bus interface (521 of ifg.3,5), as well as signals between said keypad (333) and the processor (335) of any one of said plurality of mobile

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communication module (138) upon attaching/interchanging cover (100) with a mobile electronic communication device (138 of fig.3) (see fig.1,3,5,7 and para[0029], [0045], [0046], [0054]). Also see rejection of claim 1.

Re claim 8,9,10 as discussed above with respect to claim 6, the combination of Mager and Engstron further discloses a mobile telecommunication device module having a transmitter/receiver interface (see Mager, 520 of fig.5) (i.e. radio interface) which can be applied is a cellular phone interface or cordless interface networking connection (see fig.5, and para[0046]); and

Mager furthermore discloses mobile device comprising power source unit (see Mager, 322 of fig.3) which is essentially supplying power to the communication device and having a minimal interface (314,324) to provide basic communication functionality (see Mager fig. 3,5 and para [0031]).

Re claim 11, the claim includes the limitations as that of claim 1, and therefore claim 11 is interpreted and rejected for the same reason set forth in the rejection of claim 1.

Re claim 12, the rejection of claim 1 is herein incorporated. In addition, the alpha-numerical inputs of keys of a keypad is well known in the art to be converted to different codes to be understood by the electronic of the mobile device.

Re claim 13, the claim includes the limitations as that of claim 12, and therefore claim 13 is interpreted and rejected for the same reason set forth in the rejection of claim 12.

Re claim 16, the claim includes the limitations as that of claim 12, and therefore claim 16 is interpreted and rejected for the same reason set forth in the rejection of claim 12.

Re claim 17, the claim includes the limitations as that of claim 1, and therefore claim 17 is interpreted and rejected for the same reason set forth in the rejection of claim 1.

Re claim 18,19,20 and 21 as discussed above with respect to claim 1,6,11, 17, Mager further discloses controller (515 of fig.5) (i.e. processor) comprising separate display processor (se fig.5) configured for processing signals between display and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) (see fig. 1,3,5,7 and para [0029], [0045],[0046],[0054]). Also see Engstrom for clarification.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH D. DAO whose telephone number is (571)272-7851. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MATTHEW ANDERSON can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MINH DAO
/MINH D DAO/
Examiner, Art Unit 2618